**PATENT**
Attorney Docket: 067406-5001US
Former Docket No.: A-71691-1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

*In re* application of:

SCHNEIDER

Serial No. 10/678,041

Filing Date: October 1, 2003

For: *Methods and Compositions for Producing a Mathematical Model for a System Utilizing Evolutionary Computation Techniques and Differential Data Sets (as amended)*

Examiner: SMITH, Carolyn L.

Art Unit: 1631 Confirmation No. 6639

CERTIFICATE OF ELECTRONIC TRANSMISSION UNDER 37 C.F.R. 1.6(a)(4)

I hereby certify that this correspondence, including listed enclosures, is being electronically transmitted in Portable Document Form (PDF) through EFS-Web via Hyper Text Transfer Protocol to the United States Patent and Trademark Office on:

Dated: June 20, 2007

Signed: Brent Yonehara

**RESPONSE TO FINAL OFFICE ACTION**

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

This communication is responsive to the Office Action dated February 20, 2007, and the Advisory Action dated May 1, 2007. This response was filed on or before June 20, 2006, with request for one-month extension of time, thus making it a timely response. Although Applicants do not believe any fees are required, the Commissioner is authorized to charge any fees, including extension fees or other relief, which may be required, or credit any overpayment to Deposit Account No. 50-0310 (Docket No.: 067406-5001US).

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** begin on page 3 of this paper.

**Remarks** begins on page 8 of this paper.